

Message

From: Smallbeck, Donald R. [donald.smallbeck@amecfw.com]
Sent: 6/5/2015 9:58:03 PM
To: d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]; Davis, Eva [Davis.Eva@epa.gov]
CC: Devon Phelan [dphelan@terratherm.com]; Pearson, Stuart C. [stuart.pearson@amecfw.com]
Subject: RE: ST-12 well W-36 temperature
Attachments: removed.txt; Williams Weekly Progress Report WE 06-01-15.pdf

As requested

D.R. Smallbeck
Principal Program Manager
Construction Remediation

Amec Foster Wheeler
4600 E Washington Street, Suite 600
Phoenix, Arizona 85034
Tel: 602-733-6040
Cell: 707-480-7212
Donald.Smallbeck@amecfw.com
amecfw.com

From: d'Almeida, Carolyn K. [mailto:dAlmeida.Carolyn@epa.gov]
Sent: Friday, June 05, 2015 2:18 PM
To: Davis, Eva; Smallbeck, Donald R.
Cc: Devon Phelan; Pearson, Stuart C.
Subject: RE: ST-12 well W-36 temperature

Eva/ Don do either of you have an electronic copy of this weeks report that was just posted – the sharepoint site is down and I cant get in. Thanks

Carolyn

From: Davis, Eva
Sent: Friday, June 05, 2015 2:04 PM
To: Smallbeck, Donald R.
Cc: d'Almeida, Carolyn K.; Devon Phelan; Pearson, Stuart C.
Subject: RE: ST-12 well W-36 temperature

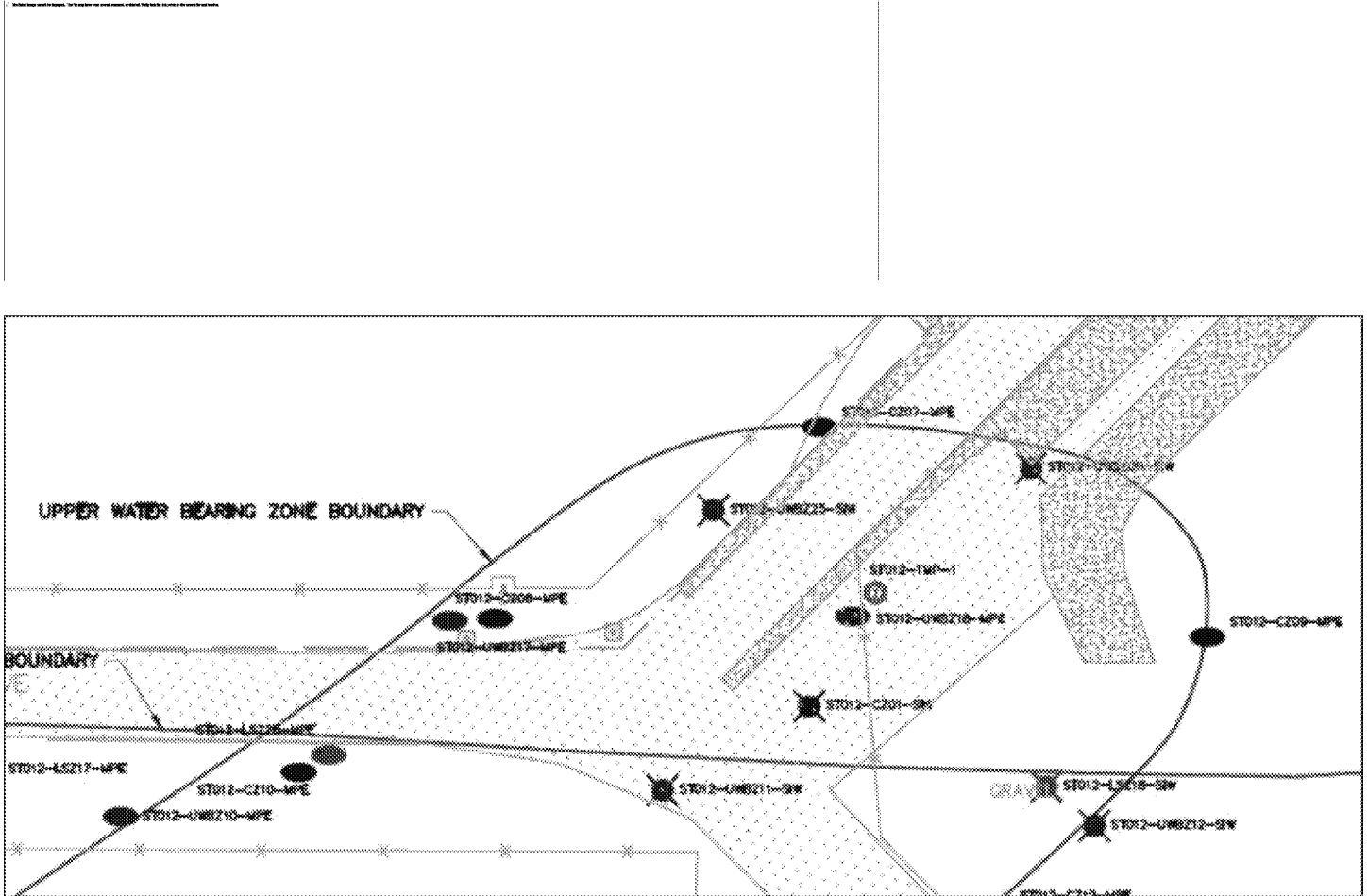
Thanks – knowing that the temperature increase was in the UWBZ not the LSZ clarifies what's going on. Shouldn't temperatures at that depth be measured in U36 and reported that way for clarity?

From: Smallbeck, Donald R. [mailto:donald.smallbeck@amecfw.com]
Sent: Friday, June 05, 2015 11:36 AM
To: Davis, Eva
Cc: d'Almeida, Carolyn K.; Devon Phelan; Pearson, Stuart C.
Subject: RE: ST-12 well W-36 temperature

The below discussion is from the operations team regarding your question:

Eva

The temperatures that AMEC FW measures at W36 and we report in the Weekly Progress Reports are collected from the UWBZ interval (165'). We have seen the UWBZ temperature at W36 (close to the cell phone lot – see position in the top figure below) keep increasing since we have “outside in” steam injection wells in the area (see wellfield map below with UWBZ steam injection wells represented by circles with an “X”). On 5/28/15, AMEC FW also measured the temperature in the LSZ interval (230') and temperatures were around ambient at 30.9 degrees Celsius. On 5/30/15 we dialed back steam injection in the UWBZ in that area by reducing injection to steam injection wells UWBZ09, UWBZ12, and UWBZ25. We are also analyzing the breakthrough information in this area and this will most likely be one of the areas that we begin pressure cycling within the next week. We will continue to watch this area very closely.



Please let us know if there are any additional questions or if there is any additional information that we can provide.

D.R. Smallbeck
Principal Program Manager
Construction Remediation

Amec Foster Wheeler
4600 E Washington Street, Suite 600
Phoenix, Arizona 85034
Tel: 602-733-6040
Cell: 707-480-7212
Donald.Smallbeck@amecfw.com
amecfw.com

From: Davis, Eva [<mailto:Davis.Eva@epa.gov>]
Sent: Thursday, June 04, 2015 2:27 PM
To: Smallbeck, Donald R.
Cc: d'Almeida, Carolyn K.
Subject: ST-12 well W-36 temperature

Hi Don –

The temperature increase in W-36 doesn't look to be natural variation. What are your team's thoughts about this?

Thanks Eva



This message is the property of Amec Foster Wheeler plc and/or its subsidiaries and/or affiliates and is intended only for the named recipient(s). Its contents (including any attachments) may be confidential, legally privileged or otherwise protected from disclosure by law. Unauthorised use, copying, distribution or disclosure of any of it may be unlawful and is strictly prohibited. We assume no responsibility to persons other than the intended named recipient(s) and do not accept liability for any errors or omissions which are a result of email transmission. If you have received this message in error, please notify us immediately by reply email to the sender and confirm that the original message and any attachments and copies have been destroyed and deleted from your system. This disclaimer applies to any and all messages originating from us and set out above. For Canada and the United States: If you believe this is an unsolicited email and do not wish to receive future commercial electronic messages from us, please click unsubscribe@amecfw.com and include "Unsubscribe" in the subject line.

Please click <http://amecfw.com/email-disclaimer> for notices and company information in relation to emails originating in the UK, Italy or France.